RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: 10/585,717

Source:

Date Processed by STIC: 7/19/06

ENTERED

RAW SEQUENCE LISTING DATE: 07/19/2006
PATENT APPLICATION: US/10/585,717 TIME: 08:32:42

Input Set : **A:\211010048U2.txt**
Output Set: **N:\CRF4\07192006\J585717.raw**

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 3 <110> APPLICANT: Leppert, Mark F.
 4         Singh, Nanda A.
 6 <120> TITLE OF INVENTION: Mutant Sodium Channel Nav1.7 and Methods
 7         Related Thereto
 9 <130> FILE REFERENCE: 21101.0048U2
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C--> 11 **<141> CURRENT FILING DATE: 2006-07-11**
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11 <150> PRIOR APPLICATION NUMBER: PCT/US05/02059
12 <151> PRIOR FILING DATE: 2005-01-21
14 <150> PRIOR APPLICATION NUMBER: 60/538,149
15 <151> PRIOR FILING DATE: 2004-01-21
17 <160> NUMBER OF SEQ ID NOS: 38
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133 <212> TYPE: PRT
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143         35                  40                  45
144 Pro Ser Ser Asp Leu Glu Ala Gly Lys Gln Leu Pro Phe Val Tyr Gly
145     50                  55                  60
146 Asp Ile Pro Pro Gly Met Val Ser Glu Pro Leu Glu Asp Leu Asp Pro
147 65                  70                  75                  80
148 Tyr Tyr Ala Asp Lys Lys Thr Phe Ile Val Leu Asn Lys Gly Lys Thr
149                 85                  90                  95
150 Ile Phe Arg Phe Asn Ala Thr Pro Ala Leu Tyr Met Leu Ser Pro Phe
151             100                 105                 110
152 Ser Pro Leu Arg Arg Ile Ser Ile Lys Ile Leu Val His Ser Leu Phe
153             115                 120                 125
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158 Gly Ile Tyr Thr Phe Glu Ser Leu Val Lys Ile Leu Ala Arg Gly Phe
159                 165                 170                 175
160 Cys Val Gly Glu Phe Thr Phe Leu Arg Asp Pro Trp Asn Trp Leu Asp
161             180                 185                 190
162 Phe Val Val Ile Val Phe Ala Tyr Leu Thr Glu Phe Val Asn Leu Gly
163         195                 200                 205
164 Asn Val Ser Ala Leu Arg Thr Phe Arg Val Leu Arg Ala Leu Lys Thr
165     210                 215                 220
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167 225                 230                 235                 240
168 Ser Val Lys Lys Leu Ser Asp Val Met Ile Leu Thr Val Phe Cys Leu
169             245                 250                 255
170 Ser Val Phe Ala Leu Ile Gly Leu Gln Leu Phe Met Gly Asn Leu Lys
171             260                 265                 270
172 His Lys Cys Phe Arg Asn Ser Leu Glu Asn Asn Glu Thr Leu Glu Ser
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175     290                 295                 300
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177 305                 310                 315                 320
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179             325                 330                 335
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181             340                 345                 350
182 Ala Leu Phe Arg Leu Met Thr Gln Asp Tyr Trp Glu Asn Leu Tyr Gln
183         355                 360                 365
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185     370                 375                 380
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189             405                 410                 415
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191         420                 425                 430
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193         435                 440                 445
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195     450                 455                 460
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197 465                 470                 475                 480
198 Lys Lys Lys Asn Gln Lys Lys Leu Ser Ser Gly Glu Glu Lys Gly Asp
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202 Ser Phe His Leu Gly Val Glu Gly His Arg Arg Ala His Glu Lys Arg
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209                 565                 570                 575
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PATENT APPLICATION: **US/10/585,717**   TIME: 08:32:43

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L:11 M:271 C: Current Filing Date differs, Replaced Current Filing Date